INTERNATIONAL SEARCH REPORT

Inte al Application No

PCT/IB2004/002877 A. CLASSIFICATION OF SUBJECT MATTER IPC 7 E21847/10 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 E21B Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Category ° 1,3-6, Υ US 3 709 032 A (COLES R ET AL) 9 January 1973 (1973-01-09) 8-12 column 5, lines 19-52; claims 1-5 US 6 305 216 B1 (SAMAROO BRIAN H) 1,3-6, Υ 23 October 2001 (2001-10-23) 8-12,27 column 4, lines 45-63 - column 6, lines 9-26 18,20 χ claims 1,17 Υ US 6 618 677 B1 (BROWN GEORGE ALBERT) 27 9 September 2003 (2003-09-09) claims 1,2 US 2 739 475 A (NOWAK THEODORE J) 13, 16, 17 27 March 1956 (1956-03-27) column 2, lines 54-63 - column 4, lines 10-47 _/_-Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled document referring to an oral disclosure, use, exhibition or other means document published prior to the International filing date but later than the priority date claimed in the art "&" document member of the same patent family Date of the actual completion of the International search Date of mailing of the international search report 27/12/2004 14 December 2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

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